AUTODOC CLUB

How to change rear wheel bearing on **AUDI A3 Hatchback (8P1)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Hatchback (8P1) 2.0 FSI, AUDI A3 Hatchback (8P1) 1.6, AUDI A3 Hatchback (8P1) 2.0 TDI 16V, AUDI A3 Hatchback (8P1) 1.9 TDI, AUDI A3 Hatchback (8P1) 2.0 TDI, AUDI A3 Hatchback (8P1) 1.6 FSI, AUDI A3 Hatchback (8P1) 2.0 TFSI, AUDI A3 Hatchback (8P1) 1.8 TFSI, AUDI A3 Hatchback (8P1) 1.4 TFSI, AUDI A3 Hatchback (8P1) 1.6 TDI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A3 Sportback (8PA) 1.2 TSI

REPLACEMENT: WHEEL BEARING – AUDI A3 HATCHBACK (8P1). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- XZN socket bit # 14
- XZN socket bit # 16
- Torx bit T30
- Drive socket # 13
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Rubber mallet
- Crow bar
- Wheel chock

Buy tools

Replacement: wheel bearing – AUDI A3 Hatchback (8P1). Professionals recommend:

- Do not re-use the bearing assembly of your AUDI A3 Hatchback (8P1) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Warning! Shut down the engine before starting any work – AUDI A3 Hatchback (8P1).

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.

4

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A3 Hatchback (8P1)

5

Remove the wheel.



6

Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



7

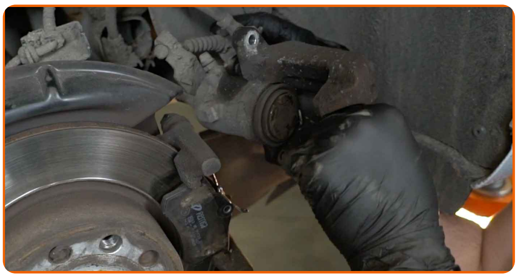
Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



8 Spread the brake pads. Use a crowbar.



9 Remove the brake caliper. Use a crowbar.



Replacement: wheel bearing – AUDI A3 Hatchback (8P1). AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

10 Remove the brake pads.



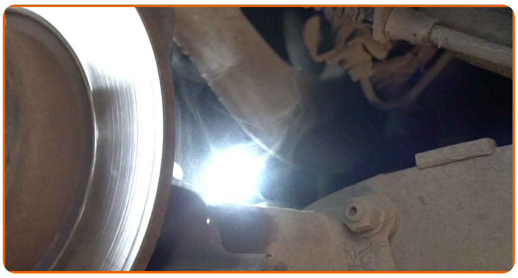
11 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



12 Unscrew the caliper bracket fastening. Use XZN #14. Use a tap wrench. Use a ratchet wrench.



13 Remove the caliper bracket.



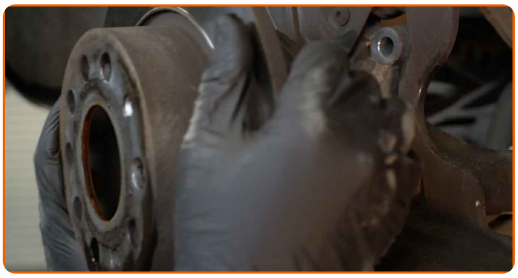
14 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



16 Remove the brake disc.



17 Remove the hub bearing protection cap. Use a crowbar. Use a rubber mallet.

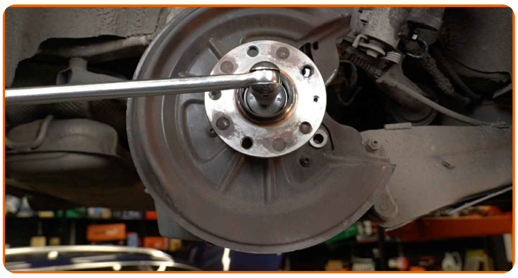


Replacement: wheel bearing – AUDI A3 Hatchback (8P1). AUTODOC experts recommend:

- Some cars are not equipped with wheel hub caps.

18

Unscrew the wheel hub axle nut. Use XZN #16. Use a tap wrench.



19

Remove the fastening bolt.



20

Remove the hub and the bearing together, since they are a sealed unit.



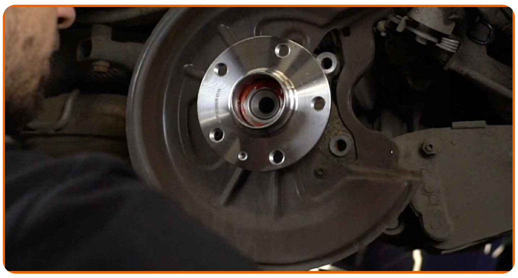
21

Clean the hub bearing mounting seat. Use all-purpose cleaning spray.



22

Install the new wheel hub with a bearing.



23

Install the fastening bolt.



24

Tighten the hub. Use XZN #16. Use a torque wrench. Tighten it to 180 Nm torque.+180°

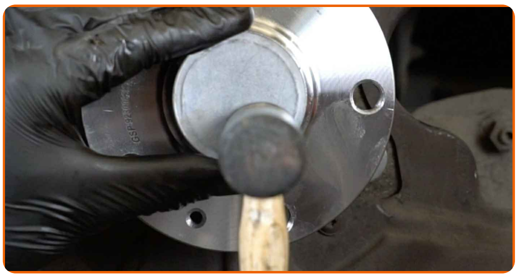


Replacement: wheel bearing – AUDI A3 Hatchback (8P1). Tip:

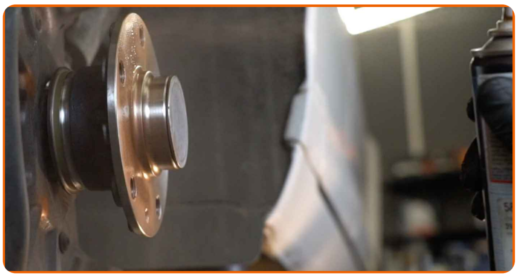
- Important! Be sure to use new fasteners.
- The wheel bearing unit must not tilt on the axle pin.

25

Install the hub bearing protection cap. Use a rubber mallet.



26 Treat the hub where it contacts the brake disk. Use copper grease.



27 Install the brake disc.



28 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 4 nm torque.



29 Install the brake caliper bracket.



30 Tighten the brake caliper bracket. Use XZN #14. Use a torque wrench. Tighten it to 90 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

31 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – AUDI A3 Hatchback (8P1). After applying the spray, wait a few minutes.

32 Install the brake pads.



33

Install the brake caliper and fix it. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



34

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



35

Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – AUDI A3 Hatchback (8P1). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

36

Install the wheel.



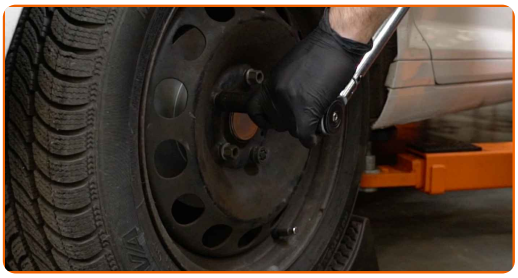
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A3 Hatchback (8P1)

37 Screw in the wheel bolts. Use wheel impact socket #17.



38 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



39 Remove the jacks and chocks.



WELL DONE!

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